CLAIMS

1. An electrical connection device (3) intended for supplying power to a bushing that delivers filaments, especially glass filaments, said device comprising a connection jaw clamp (4), characterized in that it also comprises an electrical connection piece (5) with no protective sheath and consisting of a flexible body (50), having one end (51) that is connected to the jaw clamp (4) and a free opposite end (52).

2. The device as claimed in claim 1, characterized in that the flexible body (50) of the connection piece (5) consists of an assembly of strips stacked on top of one another.

3. The device as claimed in claim 1, characterized in that the flexible body (50) of the connection piece (5) consists of a braid.

4. The device as claimed in one of claims 1 to 3, characterized in that the connection piece (5) is made of copper and/or aluminum.

5. The device as claimed in any one of the preceding claims, characterized in that an oxidation-resistant coating covers the connection piece (5).

6. The device as claimed in any one of the preceding claims, characterized in that the end (51) of the connection piece, connected to the jaw clamp (4), is fastened to the latter by mechanical retention means (53), such as welding or bolting.

7. The device as claimed in any one of the preceding claims, characterized in that the end (52) of the

connection piece, away from the end (51) connected to the jaw clamp (4), is formed by a rigid connection pad.

8. An electrical supply system comprising at least one electrical connection terminal (6, 7, 8), a current busbar (9) and at least one device (3) as claimed in any one of the preceding claims, which device electrically connects the terminal (6, 7, 8) to the busbar (9), the connection terminal (6, 7, 8) having a connection portion (61) that co-operates with the connection piece (4), and the busbar (9) having a contact surface (90) against which the free end (52) of the connection piece (5) is attached.

9. The electrical supply system as claimed in claim 8, characterized in that the connection device (3) is fastened to the connection terminal by bolting the portion (61) to the connection jaw clamp (4), and the connection device (3) is fastened to the busbar (9) by mutually co-operating fastening means (54, 91).

10. The electrical supply system as claimed in claim 9, characterized in that the mutually co-operating fastening means (54, 91) consist of projecting elements and of slots into which the projecting elements are intended to fit.

11. The electrical supply system as claimed in claim 9 or 10, characterized in that the mutually co-operating fastening means (54, 91) are designed so as to adjust the position of the connection of the free end (52) of the electrical connection piece (5) to the busbar (9) whatever the position of the bushing terminals.

12. The electrical supply system as claimed in one of claims 8 to 11, characterized in that the busbar (9) has a geometry designed so as to bring into contact with its contact surface (90) several free ends (52) of respective connection devices (3) that are connected to

a plurality of connection terminals (6, 7, 8), respectively.

13. The electrical supply system as claimed in one of claims 8 to 12, characterized in that the connection portion (61) of a connection terminal (6, 7, 8) is housed in a groove (43) of the connection jaw clamp (4), the portion (61) having an opening (62) through which a fastening bolt (44) passes, which opening has a shape designed so as to adjust the position of the fastening.

14. A fiberizing installation intended to deliver filaments, especially glass filaments, comprising a bushing (13) from which the filaments are drawn, which bushing is heated by at least one electrical supply system as claimed in one of claims 8 to 13.

15. The fiberizing installation as claimed in claim 14, characterized in that the terminal or terminals (6, 7, 8) of an electrical supply system are integral with a sidewall (13a) of the bushing (13), whereas the busbar (9) of the electrical supply system is fastened to a wall (P) defining the bushing installation zone.